

# INTERNATIONAL SEARCH REPORT

Application No  
'GB2004/003263

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12N15/85 A01K67/033

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HORN C ET AL: "A transgene-based, embryo-specific lethality system for insect pest management." NATURE BIOTECHNOLOGY, vol. 21, no. 1, January 2003 (2003-01), pages 64-70, XP002301699 ISSN: 1087-0156 the whole document	1-30, 33-42
X	WO 01/39599 A (ALPHEY LUKE ; THOMAS DEAN (GB); ISIS INNOVATION (GB)) 7 June 2001 (2001-06-07) the whole document	1-30, 33-42
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A' document defining the general state of the art which is not considered to be of particular relevance
- \*E' earlier document but published on or after the international filing date
- \*L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O' document referring to an oral disclosure, use, exhibition or other means
- \*P' document published prior to the international filing date but later than the priority date claimed

- \*T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z' document member of the same patent family

Date of the actual completion of the international search

21 October 2004

Date of mailing of the international search report

05/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Cupido, M

## INTERNATIONAL SEARCH REPORT

Application No

GB2004/003263

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>THOMAS D D ET AL: "Insect population control using a dominant, repressible, lethal genetic system"  SCIENCE (WASHINGTON D C),  vol. 287, no. 5462,  31 March 2000 (2000-03-31), pages  2474-2476, XP002301700  ISSN: 0036-8075  cited in the application  the whole document</p> <p>-----</p>	1-30, 33-42
X	<p>WU T-Y ET AL: "Expression of highly controllable genes in insect cells using a modified tetracycline-regulated gene expression system"  JOURNAL OF BIOTECHNOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL,  vol. 80, no. 1, June 2000 (2000-06), pages  75-83, XP004201980  ISSN: 0168-1656  the whole document</p> <p>-----</p>	1-9, 33-36,42
X	<p>CHEN H-H ET AL.: "The use of a modified tetracycline regulatory expression system with reduced basal level to develop an in vivo biopesticide expression system"  FOOD SCIENCE AND AGRICULTURAL CHEMISTRY, vol. 2, no. 4, October 2000 (2000-10), pages 220-225, XP008037322  TAIPEI  the whole document</p> <p>-----</p>	1-9
A	<p>ALPHEY L ET AL: "Dominant lethality and insect population control"  MOLECULAR AND BIOCHEMICAL PARASITOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL,  vol. 121, no. 2, May 2002 (2002-05), pages  173-178, XP002297190  ISSN: 0166-6851  cited in the application  page 175 - page 177</p> <p>-----</p>	10-30

## INTERNATIONAL SEARCH REPORT

Application No

/GB2004/003263

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0139599	A	07-06-2001	GB 2355459 A	25-04-2001
			AU 1716501 A	12-06-2001
			CA 2392111 A1	07-06-2001
			CN 1433475 T	30-07-2003
			EP 1246927 A2	09-10-2002
			WO 0139599 A2	07-06-2001
			NZ 519175 A	27-02-2004
			SK 7352002 A3	06-11-2002
			US 2003213005 A1	13-11-2003
			ZA 200204167 A	25-08-2003

---

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record.**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☒ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: \_\_\_\_\_**

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**